BARCO PROJECTION

ANALYZER KIT FOR G/R 6500/6400I AND SIM6(HB) PROJECTORS

R817211K
R820349K
R821060K

INSTALLATION MANUAL

01122003 R5976207/02

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1. KIT DESCRIPTION

1.1 Introduction

Analyzers in LCD projectors

Depending on the type of LCD projector the analyzers used may be different. The main differences resides in the mechanical mounting system (way of mounting on the Xcube) and the material used, analyzers may be made of glass or saphir.

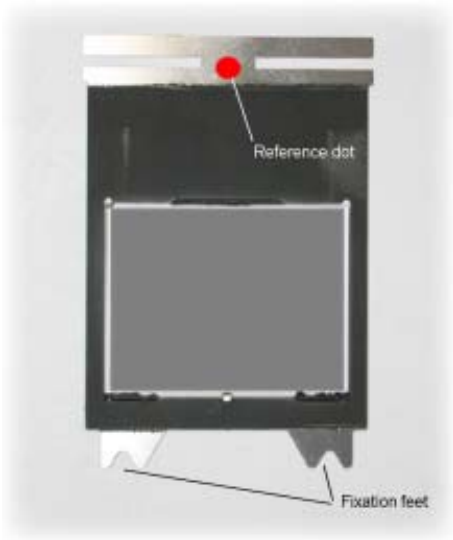

Image 1-1
analyzer type handled in this manual

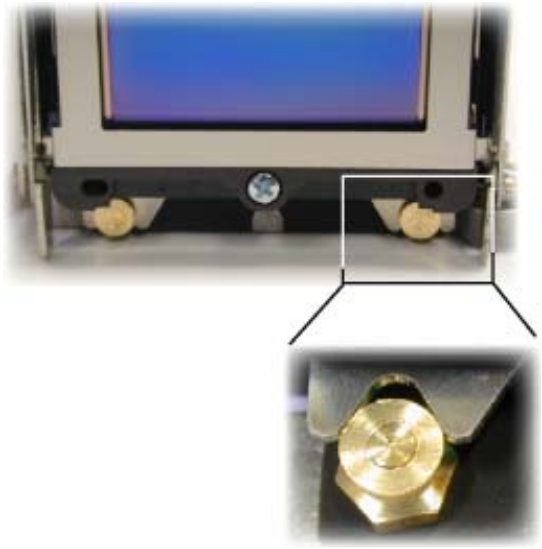

Image 1-2
Mounting on the Xcube : fixation feet (image shows XCube assembly out of the projector)

1.2 Kit content

Overview

One of the following kits can be ordered, each of them containing one analyzer.

Kitnumber	Description
R817211K	Red analyzer
R820349K	Green analyzer (saphir)
R821060K	Blue analyzer (saphir)

Some projector (RST version) are equipped with adapted analyzers, please contact Barco for the right spare.

Always check the type of analyzer and the type of projector and make sure to order the right analyzer.

1.3 Domain of application

Overview

The analyzers handled in this manual are used in the following projectors.

Description	Projector number
G6500	R9001950/R9001959
R6500	R9001960/R9001969
G6400i	R9002840/R9002849
R6400i	R9002800/R9002809
RSIM6 HB	R9040120
RSIM6 HB MLA	R9040140

2. ACCESS TO THE ANALYZERS

Overview

- Removing the Top Cover
- Removing the EMC plat

Particularities

Depending on the projector the procedure to access the analyzers may be different.

In the RSIM6 projector the top cover can be removed without removing the lens whereas in the 6500/6400i projector the lens has to be removed to allow cover removal.

In the images the cover color may not always coincide with the reality.

2.1 Removing the Top Cover

Location

The Top Cover is located on the Top side of the projector.

Image 2-1
Top Cover Location

Necessary Tool

- Flat blade screwdriver 8 mm.

Be sure the Projector Handle is in the inserted position when removing the Top Cover.

How to remove the Top Cover

1. Remove the Lens Cover. (image 2-2)
2. Pull off the 3 rubber sealing pieces covering the Top Cover screws. (image 2-3)
   Tip: *Use the flat blade screwdriver to pull off / slide in the tops of the 3 rubber pieces.*
3. Turn out the 3 screws connecting the Top Cover to the Projector Frame. (image 2-4)
4. Remove the Top Cover.
5. Reverse this procedure to reinstall the Top Cover.

Image 2-2
Remove the Lens Cover

Image 2-3
Pull off the 3 rubber sealing pieces

Image 2-4
Turn out the 3 screws

2.2 Removing the EMC plat

How to remove the EMC plate ?

1. Loosen the screw B retaining the electrical conductor. (image 2-5)
2. Turn out the screws A retaining the little plate
3. Remove the little plate
4. Turn carefully the remaining screws out. (image 2-6)
5. Remove the EMC plate

Image 2-5

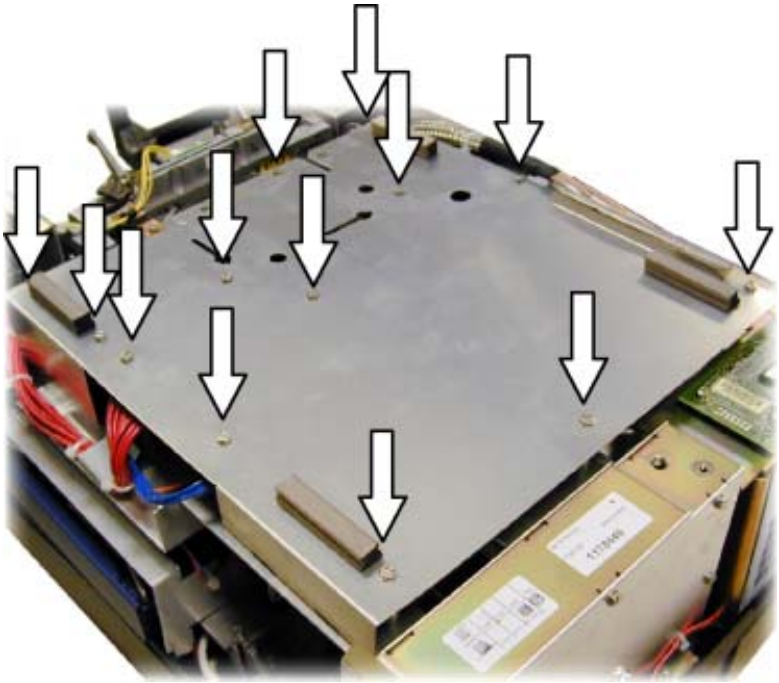

Image 2-6

be careful not to drop the screws into the projector.

3. REPLACING THE ANALYZER

3.1 Removing the analyzers

How to remove the analyzers ?

1. Remove the power cable (1) (image 3-1)
2. Remove the flat cables (2), disconnect by simultaneously pulling out the 2 mini locks on both sides of the flat cable connector.
   Caution: *Do not touch the contacts of the flat cable when removing the flat cable otherwise damage my occur by oxidation of these contacts.*

   Do not use any tools when (dis)connecting a flat cable connector, otherwise damage may occur on the mini locks.
3. Loosen the 4 screws and remove the buffer module (image 3-2)
4. Loosen the 3 screws and remove the metallic plate (image 3-3)
5. Remove the analyzer sliding it gently out of the assembly. (image 3-4)

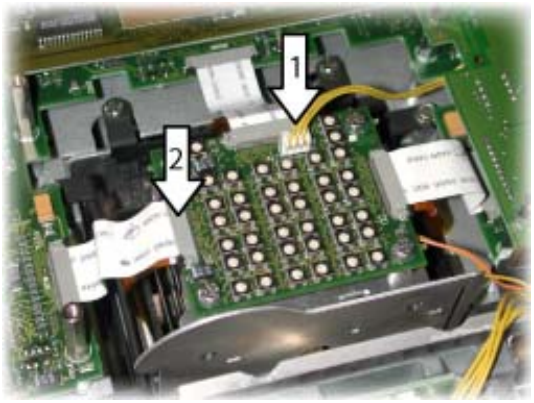

Image 3-1

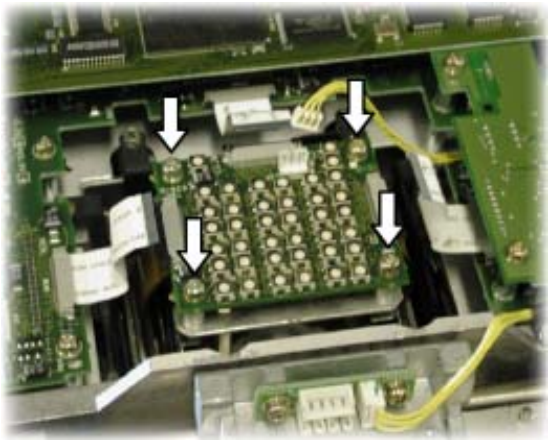
Image 3-2

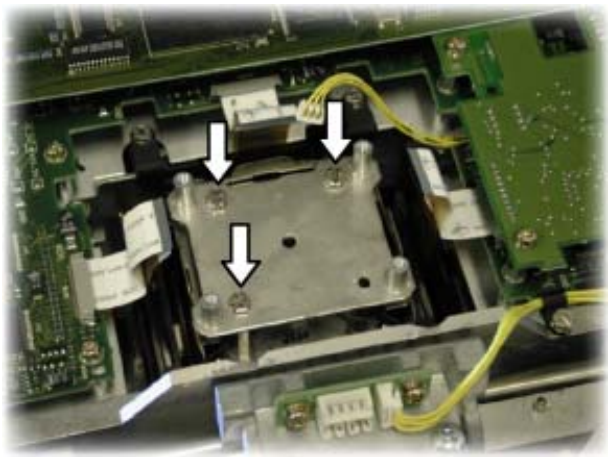
Image 3-3

Image 3-4
Removal of the analyzer